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OM protein - protein search, using sw model

Run on: June 18, 2003, 15:26:51 ; Search time 13.8937 Seconds
(without alignments)
775.530 Million cell updates/sec

Title: US-09-807-933B-3

Perfect score: 2020
Sequence: 1 MKFITTSALLALALGTEM.....TYKEVTCPEKWTAKTGCGRK 366

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/prodata/1/aaa/5A_COMB.pep: *
2: /cgn2_6/prodata/1/aaa/5B_COMB.pep: *
3: /cgn2_6/prodata/1/aaa/6A_COMB.pep: *
4: /cgn2_6/prodata/1/aaa/6B_COMB.pep: *
5: /cgn2_6/prodata/1/aaa/6CTUS_COMB.pep: *
6: /cgn2_6/prodata/1/aaa/backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	757.5	37.5	299	2 US-08-872-437-2	Sequence 2, Appl1
2	757.5	37.5	299	3 US-08-651-136C-12	Sequence 12, Appl1
3	757.5	37.5	299	4 US-09-229-911A-12	Sequence 12, Appl1
4	753.5	37.3	225	3 US-08-651-136C-2	Sequence 2, Appl1
5	753.5	37.3	225	4 US-09-229-911A-2	Sequence 2, Appl1
6	753.5	37.3	227	3 US-08-651-136C-4	Sequence 4, Appl1
7	753.5	37.3	297	4 US-09-229-911A-4	Sequence 4, Appl1
8	753.5	37.3	308	4 US-08-651-136C-6	Sequence 6, Appl1
9	753.5	37.3	308	4 US-09-229-911A-6	Sequence 6, Appl1
10	752.5	37.3	306	4 US-09-189-060B-68	Sequence 68, Appl1
11	722.5	35.8	222	3 US-08-651-136C-14	Sequence 14, Appl1
12	722.5	35.8	222	4 US-09-229-911A-14	Sequence 14, Appl1
13	722.5	35.8	294	3 US-08-651-136C-24	Sequence 24, Appl1
14	722.5	35.8	294	4 US-09-229-911A-24	Sequence 24, Appl1
15	715	35.4	349	3 US-08-651-136C-10	Sequence 10, Appl1
16	715	35.4	349	4 US-09-229-911A-10	Sequence 10, Appl1
17	707.5	35.0	304	4 US-09-189-060B-72	Sequence 72, Appl1
18	706.5	35.0	306	4 US-09-189-060B-66	Sequence 66, Appl1
19	706	35.0	310	3 US-08-651-136C-22	Sequence 22, Appl1
20	692	34.3	307	4 US-09-229-911A-22	Sequence 22, Appl1
21	692	34.3	307	4 US-09-189-060B-74	Sequence 74, Appl1
22	690.5	34.2	235	4 US-09-329-350-31	Sequence 31, Appl1
23	684	33.9	286	4 US-09-354-733-3	Sequence 3, Appl1
24	683.5	33.8	308	4 US-09-189-060B-70	Sequence 70, Appl1
25	683.5	33.8	376	1 US-08-090-013-4	Sequence 4, Appl1
26	683.5	33.8	376	1 US-08-081-328-4	Sequence 4, Appl1
27	683.5	33.8	376	1 US-08-232-249-4	Sequence 4, Appl1

28	683.5	33.8	376	2 US-08-833-642A-4	Sequence 4, Appl1
29	683.5	33.8	376	2 US-08-389-423-4	Sequence 4, Appl1
30	683.5	33.8	376	4 US-09-230-665-4	Sequence 4, Appl1
31	683.5	33.8	376	4 US-09-189-028-4	Sequence 4, Appl1
32	682	33.8	285	4 US-09-230-225B-6	Sequence 6, Appl1
33	682	33.8	305	4 US-09-230-222-1	Sequence 1, Appl1
34	679.5	33.6	357	4 US-08-411-777-9	Sequence 9, Appl1
35	679.5	33.6	357	3 US-09-057-088-9	Sequence 9, Appl1
36	675	33.4	234	4 US-09-230-665-6	Sequence 6, Appl1
37	675	33.4	305	1 US-08-090-013-2	Sequence 2, Appl1
38	675	33.4	305	1 US-08-081-328-2	Sequence 2, Appl1
39	675	33.4	305	1 US-08-232-249-2	Sequence 2, Appl1
40	675	33.4	305	2 US-08-921-426-8	Sequence 8, Appl1
41	675	33.4	305	2 US-08-833-642A-2	Sequence 2, Appl1
42	675	33.4	305	2 US-08-140-008A-4	Sequence 4, Appl1
43	675	33.4	305	2 US-08-836-340-1	Sequence 1, Appl1
44	675	33.4	305	2 US-08-389-423-2	Sequence 2, Appl1
45	675	33.4	305	3 US-08-816-915-8	Sequence 8, Appl1

ALIGNMENTS

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RESULT 1
US-08-872-437-2
; Sequence 2, Application US/08872437
; Patent No. 5958082
; GENERAL INFORMATION:
; APPLICANT: Lund, Henrik
; APPLICANT: Kalum, Lisbeth
; TITLE OF INVENTION: Garments with Considerable Variation in
; FILE REFERENCE: 4888.200-US
; CURRENT APPLICATION NUMBER: US/08/872,437
; CURRENT FILING DATE: 1997-06-10
; EARLIER APPLICATION NUMBER: 1276/96
; EARLIER FILING DATE: 1996-11-13
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PaateSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Thieleavia terrestris
US-08-872-437-2

Query Match      37.5%; Score 757.5; DB 2; Length 299;
Best Local Similarity 62.3%; Pred. No. 8.4e-52;
Matches 134; Conservative 32; Mismatches 40; Indels 9; Gaps 4;

QY 152 IVSGGASGNGVTRVWDCCKASCWPKANVSPVSKCKDGVTLSDSNVSGGNGGNS 211
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Db 17 LVASASGSGGSTRVWDCCKPCSCAMPKAAVSPVACDAN-FQRLSDRNVSGGNGGSA 75

QY 212 YMCNDNOPAVNDNLAVGFAAAISGGGSESRNCCSCEBLFTSTSVAGKRVIOVTNCG 271
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 76 YGADGTTPAVVNDNLAVGFAATSIAGSSSMCCACVYALFTTSGPVAGKTMVQSTGCG 135

QY 272 DUGSGTAHFIDLOMPGGGCGIFNGGCKWNGA-PNDGWSRGYGISASDCSSLPALQAG 330
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 136 DLGSGN---GFIDLAMPGGGCGIFNGGSSQFGGJLP---GAQYGISRSRDCCSPAPLQPG 188

QY 331 CKWRPMVFNKADNPSTYKEVTCPEKWTAKTGCGR 365
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 189 COMRFDMFQVADNPFTFOOVCCPAEIVARSGCKR 223

RESULT 2
US-08-651-136C-12
; Sequence 12, Application US/08651136C
; Patent No. 6001639
; GENERAL INFORMATION:
; APPLICANT: Schultein, Martin
; APPLICANT: Andersen, Lene N.
```

; lassen, Søren F.
; kauppinen, Markus S
;
; lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu

```

/ RESULT 4
/ US-08-651-136C-2
/ Sequence 2, Application US/0865136C
/ Patent No. 6001639
/
/ GENERAL INFORMATION:
/ APPLICANT: Schuelein, Martin
/ APPLICANT: Andersen, Lene N.
/ APPLICANT: Lassen, Soren F.
/ APPLICANT: Kauppinen, Markus S.
/ APPLICANT: Lange, Lene
/ APPLICANT: Nielsen, Rudy I.
/ APPLICANT: Ihara, Michiko
/ APPLICANT: Takagi, Shinobu
/
/ TITLE OF INVENTION: No. 6001639el EndogLucanases
/
/ NUMBER OF SEQUENCES: 109

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-2

Query Match 37.3%; Score 753.5; DB 3; Length 225;
Best Local Similarity 60.8%; Pred. No. 1,2e-51;
Matches 127; Conservative 36; Mismatches 41; Indels 5; Gaps 3;
QY 158 SGNVTTRYDCCCKASCPMPKANVSSPYKSCNKGVTALSDSNVSGCN-GGNSYMCND 216
DB 21 SGIGQTRRYDCCCKPCSCAMPK-GPSSPVQACDKNPNLNDGSTRSGCDAGSAYMCSS 79
QY 217 NQPMVNDLAVGPAALASGGESRWCCSCFELTFTSTSVAGKKVIVQVNTNGDGLGSS 276
DB 80 QSPMAVSDSLYGMVAVKLAGSSSESCWCCACYLELFTSGPVAGKKMIVQNTNGDGLGDN 139
QY 277 TGAHFDLQWPGGCGVGFNGCSKQMGAPNDWGSRYGSISSAPDCSSLPALQAGCKMRRN 336
DB 140 ---HFDLALPGGCGVGFNACTDQYGAPNGMGDRYGGIHSGKECESFPEALKKGCWRRFD 196
QY 337 WPKNADNPSMTYKEVTCPEKITAKTGCSR 365
DB 197 WPKNADNPSVTFQEVACPSELTSKSGCSR 225

RESULT 5
US-09-229-911A-2
Sequence 2, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:
APPLICANT: Schultein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. 6387690e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 63876900 No. 6387690disk of No. 6387690th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America

ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-229-911A-2

Query Match 37.3%; Score 753.5; DB 4; Length 225;
Best Local Similarity 60.8%; Pred. No. 1,2e-51;
Matches 127; Conservative 36; Mismatches 41; Indels 5; Gaps 3;
QY 158 SGNVTTRYDCCCKASCPMPKANVSSPYKSCNKGVTALSDSNVSGCN-GGNSYMCND 216
DB 21 SGIGQTRRYDCCCKPCSCAMPK-GPSSPVQACDKNPNLNDGSTRSGCDAGSAYMCSS 79
QY 217 NQPMVNDLAVGPAALASGGESRWCCSCFELTFTSTSVAGKKVIVQVNTNGDGLGSS 276
DB 80 QSPMAVSDSLYGMVAVKLAGSSSESCWCCACYLELFTSGPVAGKKMIVQNTNGDGLGDN 139
QY 277 TGAHFDLQWPGGCGVGFNGCSKQMGAPNDWGSRYGSISSAPDCSSLPALQAGCKMRRN 336
DB 140 ---HFDLALPGGCGVGFNACTDQYGAPNGMGDRYGGIHSGKECESFPEALKKGCWRRFD 196
QY 337 WPKNADNPSMTYKEVTCPEKITAKTGCSR 365
DB 197 WPKNADNPSVTFQEVACPSELTSKSGCSR 225

RESULT 6
US-08-651-136C-4
Sequence 4, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schultein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:

OY 338 FKADNPSMTYKVTCPKEITAKTGCSR 365
DB 196 FKADNPSRFRVOCPAEIVATGCSR 223

RESULT 11

US-08-651-136C-14
Sequence 14, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schultein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kauppinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Rudy I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6001639 No. 6001639disk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 21-MAY-1996
APPLICATION NUMBER: US/08/651.136C
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 222 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-14

Query Match 35.8%; Score 722.5; DB 3; Length 222;

Best Local Similarity 59.4%; Pred. No. 3.1e-49; Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4;

OY 160 NGVTRRYMCCCKASGWPCKANVSPVKSCH-KDGVTAISDSNVOSGCGNGSYMCNDNQ 218
DB 21 SGVTRRYMCCCKASGWPCKANVSPVKSCH-KDGVTAISDSNVOSGCGNGSYMCNDNQ 79
OY 219 PMAVNDMLAYGFAAAALISGGESRWCCSCPELTFTSTVAAGKQAVIQVNTGDDLGSSSTG 278
DB 80 PMAVNDMLAYGFAAAALISGGESRWCCSCPELTFTSTVAAGKQAVIQVNTGDDLGSSSTG 137
OY 279 AHFDLQMPGGVGVFNCGSKQMGAPNDGWSRYGSSASDPSLPSALQAGCKMRFNMF 338
DB 138 -HFDIAMPGGVGVFNCGSKQMGAPNDGWSRYGSSASDPSLPSALQAGCKMRFNMF 194
OY 339 KNADNPSMTYKVTCPKEITAKTGCSR 365
DB 195 ENADNPTVDMEPVTCPELVARITGCSR 221

RESULT 12

US-09-229-911A-14
Sequence 14, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:

APPLICANT: Schultein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kauppinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Rudy I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6387690e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6387690 No. 6387690disk of No. 6387690th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION NUMBER: 08/651,136
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 222 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-229-911A-14

Query Match 35.8%; Score 722.5; DB 4; Length 222;

Best Local Similarity 59.4%; Pred. No. 3.1e-49; Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4;

OY 160 NGVTRRYMCCCKASGWPCKANVSPVKSCH-KDGVTAISDSNVOSGCGNGSYMCNDNQ 218
DB 21 SGVTRRYMCCCKASGWPCKANVSPVKSCH-KDGVTAISDSNVOSGCGNGSYMCNDNQ 79
OY 219 PMAVNDMLAYGFAAAALISGGESRWCCSCPELTFTSTVAAGKQAVIQVNTGDDLGSSSTG 278
DB 80 PMAVNDMLAYGFAAAALISGGESRWCCSCPELTFTSTVAAGKQAVIQVNTGDDLGSSSTG 137
OY 279 AHFDLQMPGGVGVFNCGSKQMGAPNDGWSRYGSSASDPSLPSALQAGCKMRFNMF 338
DB 138 -HFDIAMPGGVGVFNCGSKQMGAPNDGWSRYGSSASDPSLPSALQAGCKMRFNMF 194
OY 339 KNADNPSMTYKVTCPKEITAKTGCSR 365
DB 195 ENADNPTVDMEPVTCPELVARITGCSR 221

RESULT 13

US-08-651-136C-24
Sequence 24, Application US/08651136C


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Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schulten, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Laessen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. 6001639e No. 6001639e1 Endoglucanases
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366, 200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-24

Query Match      35.8%; Score 722.5; DB 3; Length 294;
Best Local Similarity 59.4%; Pred. No. 4.5e-49;
Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4;

QY 160 NGVTRYMDCKKASCWPGKANYSPVKSQK-KDGVTAISDSNVQSGCNGNSYMCNDQ 218
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Db 21 SGVTRYMDCKKASCWPGKANYSPVKSQK-KDGVTAISDSNVQSGCNGNSYMCNDQ 79
QY 219 PMAVNDNLAYGFAAAISGGGSESRMCCSCPELFTFTSTVAGKKVNIQVNTGDLGSG 278
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 80 PMAVNDNLAYGFAAAISGGGSESRMCCSCPELFTFTSTVAGKKVNIQVNTGDLGSG 137
QY 279 AHFDLQPGGAGVIFNGCSKQWGPAPNDGWSRRYGGISASDCSLPSALQAGCKWRFNMF 338
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 138 -HFDIAMPGGAGVIFNGCSKQWGPAPNDGWSRRYGGISASDCSLPSALQAGCKWRFNMF 194
QY 339 KNADNPSTMYKEVTCPEKITAKTGCSR 365
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 195 ENADNPSTMYKEVTCPEKITAKTGCSR 221

RESULT 14
US-09-229-911A-24
Sequence 24, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:
APPLICANT: Schulten, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Laessen, Soren F.
APPLICANT: Kaupinen, Markus S.
```

```
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. 6387690e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. 6387690e No. 6387690e1 Endoglucanases
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366, 200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-09-229-911A-24

Query Match      35.8%; Score 722.5; DB 4; Length 294;
Best Local Similarity 59.4%; Pred. No. 4.5e-49;
Matches 123; Conservative 41; Mismatches 36; Indels 7; Gaps 4;

QY 160 NGVTRYMDCKKASCWPGKANYSPVKSQK-KDGVTAISDSNVQSGCNGNSYMCNDQ 218
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 21 SGVTRYMDCKKASCWPGKANYSPVKSQK-KDGVTAISDSNVQSGCNGNSYMCNDQ 79
QY 219 PMAVNDNLAYGFAAAISGGGSESRMCCSCPELFTFTSTVAGKKVNIQVNTGDLGSG 278
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 80 PMAVNDNLAYGFAAAISGGGSESRMCCSCPELFTFTSTVAGKKVNIQVNTGDLGSG 137
QY 279 AHFDLQPGGAGVIFNGCSKQWGPAPNDGWSRRYGGISASDCSLPSALQAGCKWRFNMF 338
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 138 -HFDIAMPGGAGVIFNGCSKQWGPAPNDGWSRRYGGISASDCSLPSALQAGCKWRFNMF 194
QY 339 KNADNPSTMYKEVTCPEKITAKTGCSR 365
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 195 ENADNPSTMYKEVTCPEKITAKTGCSR 221

RESULT 15
US-08-651-136C-10
Sequence 10, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schulten, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Laessen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
```

APPLICANT: Ihara, Michiko
 APPLICANT: Takagi, Shinobu
 TITLE OF INVENTION: No. 6001639e1 Endoglucanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6001639e No. 6001639disk of No. 6001639th America, Inc.
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentln Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/651,136C
 FILING DATE: 21-MAY-1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambdis, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366.200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 349 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-651-136C-10

Query Match 35.4%; Score 715; DB 3; Length 349;
 Best Local Similarity 58.3%; Pred. No. 2.1e-46;
 Matches 123; Conservative 36; Mismatches 42; Indels 10; Gaps 4;

QY 157 ASGNQVTRRYWDCKKASGSPGKANVSSPKSCNKDGVTLSDSNVSGCNGNSYMCND 216
 DB 21 ASGKGHTTRRYWDCKKASGSPGKANVSSPKSCNKDGVTLSDSNVSGCNGNSYMCND 79
 QY 217 NQPAVNDNLAYGFAAASGSGSRWCSCFELTFTSTVAGKKMVIQVNTGTGDLGSS 276
 DB 80 NSPVAVSDDLAVGFAAALSGSGSRWCSCFELTFTSTVAGKKMVIQVNTGTGDLGSS 139
 QY 277 TGAHFDLQMPGGVGIENGCSKQNG--APNDGWSRYGSISSASDPSALQAGCKMR 334
 DB 140 --HFDLMPGGVGIENGCSKQNG--APNDGWSRYGSISSASDPSALQAGCKMR 192
 QY 335 FNNFRKADNPSMTYKEVTCPEKITAKTGCSR 365
 DB 193 FDMFKNSDNPDIREFQVQCPKELIIVSGCVR 223

Search completed: June 18, 2003, 17:17:47
 Job time : 14.8857 secs